



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010469  
CERTIFICATION DATE: November 22, 2013  
DATE RECERTIFICATION DUE: May 21, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy  
Program Manager, Calibration & Training

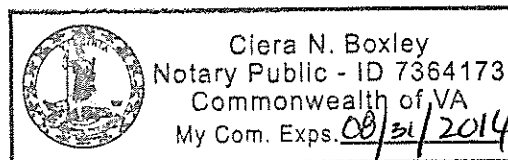
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*sid*



DBH  
WSK

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 11/25/2013**

**Instrument Serial Number: 010469**

**As of 25-Nov-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
22-Nov-13	22-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Jun-13	04-Jun-13	DBH (21250)	CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Dec-12	20-Dec-12	DBH (21250)	CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
10-Oct-12	10-Oct-12	DBH (21250)	CERTIFIED.
04-Oct-12	04-Oct-12	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
11-Apr-12	11-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Oct-11	26-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
22-Aug-11	31-May-11	DBH (21250)	REPLACED DRY GAS STANDARD
01-Jun-11	31-May-11	RJP (22428)	CORRECTED DRY GAS STANDARD LOT NUMBER IN INSTRUMENT MEMORY.
31-May-11	31-May-11	RJP (22428)	CALIBRATED AND CERTIFIED.
21-Apr-10	21-Apr-10	RJP (22428)	REPLACED TANK TOP LID. CALIBRATED AND CERTIFIED.
14-Apr-10	14-Apr-10	RJP (22428)	REPLACED MECHANICAL SAMPLE ASSEMBLY SPRING COIL. TESTED SET SOLENOID. CALIBRATED AND CERTIFIED.
08-Jul-09	08-Jul-09	RJP (22428)	UPDATED TIME. CERTIFIED.
30-Apr-09	23-Mar-09	DBH (21250)	REPLACED DRY GAS STANDARD
23-Mar-09	23-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
07-Jan-09	16-Oct-08	NMJ (22392)	REPLACED DRY GAS STANDARD
16-Oct-08	16-Oct-08	RJP (22428)	CERTIFIED.
30-Sep-08	30-Sep-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
WHL

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010469 Worksheet Start Date 11/22/2013  
Location Rockingham CO Jail  
Address 25 S Liberty St Harrisonburg VA 22801  
DFS Technician Donald Hall License No. 21250  
☐ Laboratory ☒ On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	200
Keyboard		Certificates of Analysis	200
Printer		Operator Worksheet	200
UPS		Other:	

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010469

Certification Date 11/22/2013

Instrument Barometer (mm HG) 729

Reference Barometer (mm HG) 729

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.240	0.232	0.247	Sample 2	0.239
Precision		sample min	sample max	Sample 3	0.239
0		0.239	0.239		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.144	0.139	0.148	Sample 2	0.144
Precision		sample min	sample max	Sample 3	0.144
0		0.144	0.144		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.077	0.074	0.080	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.019	0.016	0.022	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-16

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.096	0.093	0.099	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

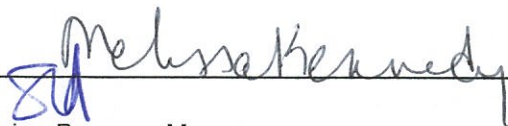
DFS Technician



Date

11/25/13

Issuing Analyst



Date

11/30/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH

NCH



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  11/22/2013
TEST EQUIPMENT NUMBER  010469		

RESULTS: TIME SAMPLE TAKEN 13:47 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 22 Nov 2013 at 14:20

TLN  
DBH

ASK

## Test Results

Instrument Serial Number 010469

Test # 002162 Subject Test

Test Location 1 Department of

Test Date 22 Nov 2013

Test Location 2 Forensic Science

Test Time 13:41

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 22 Nov 2013

End Time 13:48

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Subject's First Name TEST

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Time 13:47

Result Date 22 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:41

Data Type BLK

Sample Value 0.000

Sample Time 13:42

Data Type CHK

Sample Value 0.099

Sample Time 13:43

Data Type BLK

Sample Value 0.000

Sample Time 13:44

Data Type SUBJ

Sample Value 0.000

Sample Time 13:45

Data Type BLK

Sample Value 0.000

Sample Time 13:46

Data Type SUBJ

Sample Value 0.000

Sample Time 13:47

Data Type BLK

Sample Value 0.000

Sample Time 13:48

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG230501-38

Standard Expiration Date 10/31/2014

Tank Pressure 404

Barometric Pressure 729 mmHg

Blow Sample Number 1

Blow Duration 3.23 sec

Blow Volume 1834 cc

End-of-Blow Time 13:45

Blow Sample Number 2

Blow Duration 3.43 sec

Blow Volume 1881 cc

End-of-Blow Time 13:47

Tamper Evident Stamp 7f154b79

Test Status Code 0

Test Status Success



DBH

# Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010469 Test Number: 2163

Test Date: 11/22/2013 Test Time: 13:50 EST

Dry Gas Target: 0.096

Lot Number: AG230501-38 Exp Date: 10/31/2014

Tank Pressure: 399 psi Barometric Pressure: 729 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:50
CHK	0.098	13:51
BLK	0.000	13:53
CHK	0.098	13:53
BLK	0.000	13:55
CHK	0.098	13:56

Test Status: Success

Calibration CRC: AC5112B0

~~PERFORMED ONE-POINT CERTIFICATION IN PREPARATION FOR  
FIRMWARE/SOFTWARE UPGRADE DUE TO CERTIFICATION  
WARNING ON DISPLAY.~~

DBH  
11/22/13

DBH  
11/22/13

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010469 Test Number: 2164

Test Date: 11/22/2013 Test Time: 13:59 EST

Dry Gas Target: 0.288

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 458 psi Barometric Pressure: 729 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:59
CHK	0.294	14:00
BLK	0.000	14:02
CHK	0.294	14:03
BLK	0.000	14:04
CHK	0.294	14:05

Test Status: Success

Calibration CRC: AC5112B0



DBH

# Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010469      Test Number: 2165  
Test Date: 11/22/2013      Test Time: 14:08 EST

DBH

Technician Initials: DBH

Dry Gas Target: 0.096

Lot Number: AG230501-38      Exp Date: 10/31/2014

Tank Pressure: 389 psi      Barometric Pressure: 728 mmHg

Test	g/210L	Time
DIAG	Pass	14:08
BLK	0.000	14:09
CHK	0.098	14:10
BLK	0.000	14:11
CHK	0.098	14:12
BLK	0.000	14:13
CHK	0.098	14:14
BLK	0.000	14:15

## Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

PERFORMED ONE-POINT CERTIFICATION IN PREPARATION  
FOR FIRMWARE/SOFTWARE UPGRADE DUE TO  
CERTIFICATION WARNING ON DISPLAY.

DBH

11/22/13

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010469

System Date: 11/22/2013

System Time: 14:37 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WJL

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010469      Test Number: 2166

Test Date: 11/22/2013      Test Time: 14:40 EST

Dry Gas Target: 0.096

Lot Number: 06512100I3-05      Exp Date: 04/01/2014

Tank Pressure: 355 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:40
CAL	0.096	14:41

Test Status: *Success*

Calibration CRC: B8F2C78C

DBH

PKL

DBH

# Intox EC/IR-II: Certification

WJK

Department of Forensic Science

Serial Number: 010469      Test Number: 2167  
Test Date: 11/22/2013      Test Time: 14:44 EST

Technician Initials: DBH

Dry Gas Target: 0.240

Lot Number: 29612250I2-10      Exp Date: 11/01/2014

Tank Pressure: 95 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:45
BLK	0.000	14:46
CHK	0.239	14:46
BLK	0.000	14:48
CHK	0.239	14:49
BLK	0.000	14:50
CHK	0.239	14:51
BLK	0.000	14:52

## Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010469      Test Number: 2168  
Test Date: 11/22/2013      Test Time: 14:55 EST

WHL

Technician Initials: DBH

Dry Gas Target: 0.144

Lot Number: 29512150I2-03      Exp Date: 11/01/2014

Tank Pressure: 522 psi      Barometric Pressure: 727 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:55
BLK	0.000	14:56
CHK	0.144	14:57
BLK	0.000	14:58
CHK	0.144	14:59
BLK	0.000	15:00
CHK	0.144	15:01
BLK	0.000	15:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

Serial Number: 010469      Test Number: 2169  
Test Date: 11/22/2013      Test Time: 15:05 EST

NK

Technician Initials: DBH

Dry Gas Target: 0.077

Lot Number: 06512080I2-03      Exp Date: 04/01/2014

Tank Pressure: 66 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:06
BLK	0.000	15:07
CHK	0.078	15:07
BLK	0.000	15:09
CHK	0.078	15:09
BLK	0.000	15:11
CHK	0.078	15:11
BLK	0.000	15:13

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010469      Test Number: 2170  
Test Date: 11/22/2013      Test Time: 15:16 EST

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0771302011-02      Exp Date: 05/01/2015

Tank Pressure: 884 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:16
BLK	0.000	15:17
CHK	0.019	15:18
BLK	0.000	15:19
CHK	0.019	15:20
BLK	0.000	15:21
CHK	0.019	15:22
BLK	0.000	15:23

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



DBH

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

NJK

Serial Number: 010469      Test Number: 2171

Test Date: 11/22/2013      Test Time: 15:26 EST

Dry Gas Target: 0.287

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 453 psi      Barometric Pressure: 727 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:27
CHK	0.291	15:27
BLK	0.000	15:29
CHK	0.291	15:30
BLK	0.000	15:32
CHK	0.291	15:33

Test Status: *Success*

Calibration CRC: B8F2C78C

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010469 Test Number: 2172

Test Date: 11/22/2013 Test Time: 15:36 EST

Dry Gas Target: 0.096

Lot Number: AG320502-16 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 727 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:36
CHK	0.097	15:37
BLK	0.000	15:39
CHK	0.097	15:40
BLK	0.000	15:41
CHK	0.097	15:42

Test Status: Success

Calibration CRC: B8F2C78C




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  11/22/2013
TEST EQUIPMENT NUMBER  010469		

RESULTS: TIME SAMPLE TAKEN 15:50 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

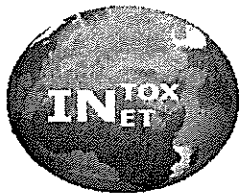
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 25 Nov 2013 at 12:08

DBH

WJL

## Test Results

Instrument Serial Number 010469

Test # 002173 Subject Test

Test Location 1 Department of  
Test Date 22 Nov 2013

Test Location 2 Forensic Science  
Test Time 15:44  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 22 Nov 2013 End Time 15:51

Result Time 15:50

Result Date 22 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:44

Data Type BLK

Sample Value 0.000

Sample Time 15:45

Data Type CHK

Sample Value 0.096

Sample Time 15:46

Data Type BLK

Sample Value 0.000

Sample Time 15:47

Data Type SUBJ

Sample Value 0.000

Sample Time 15:48

Data Type BLK

Sample Value 0.000

Sample Time 15:49

Data Type SUBJ

Sample Value 0.000

Sample Time 15:50

Data Type BLK

Sample Value 0.000

Sample Time 15:51

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG320502-16

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 727 mmHg

Blow Sample Number 1 Blow Duration 4.17 sec

Blow Volume 2139 cc End-of-Blow Time 15:48

Blow Sample Number 2 Blow Duration 3.43 sec

Blow Volume 1895 cc End-of-Blow Time 15:50

Tamper Evident Stamp 36f5c9cf

Test Status Code 0

Test Status Success